INTERNATIONAL SEARCH REPORT

International application No.

		PCT	/JP2005/004487
A. CLASSIFICA Int.Cl ⁷	ATION OF SUBJECT MATTER C08F10/06, 4/655, C08J9/04, C0	08L23/10	
According to Inte	rnational Patent Classification (IPC) or to both national o	classification and IPC	
B. FIELDS SEA	ARCHED		
Minimum documo Int . Cl ⁷	entation searched (classification system followed by clas C08F6/00-246/00, 4/60-4/70, C0	sification symbols))8J9/00-9/42, C08L	1/00-101/16
Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971-2005 Tor	suyo Shinan Toroku Ko oku Jitsuyo Shinan Ko	ho 1996-2005 ho 1994-2005
Electronic data ba	ase consulted during the international search (name of da	ta base and; where practicable, s	search terms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
У	WO 99/07752 A1 (Grand Polymer 18 February, 1999 (18.02.99), Claim 5; examples 1 to 5; page 11; page 40, line 2 to page 4: & EP 942013 A1 & CN & KR 2000068700 A & US	e 33, lines 6 to 1, line 3	1-4,9-11,13, 14 12
X Y			1-4,9-11,13, 14 5,6,12
			·
× Further do	cuments are listed in the continuation of Box C.	See patent family annex	
* Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier application or patent but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		The state of document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
02 May,	l completion of the international search 2005 (02.05.05)	Date of mailing of the internat 24 May, 2005	(24 . 05 . 05)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	

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(Continuation	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	JP 11-181178 A (Grand Polymer Co., Ltd.), 06 July, 1999 (06.07.99),	1-4,9-11,13, 14
Y	Claims; Par. Nos. [0015] to [0026]	5,6,12
	(Family: none)	
Y	JP 56-166211 A (Sumitomo Chemical Co., Ltd.),	5,6
	21 December, 1981 (21.12.81), Claims; page 2, upper left column, line 8 to	
	upper right column, line 7; page 3, lower left	
	column, lines 2 to 10; examples (Family: none)	
. ·		7 0
X ·	JP 2002-80656 A (Sumitomo Chemical Co., Ltd.), 19 March, 2002 (19.03.02),	7,8
	Claims; Par. Nos. [0007] to [0013]; example 1 & US 2002/032283 A1 & DE 10131250 A1	
	& US 2002/032283 AT	
Y	JP 2001-348452 A (Nitto Denko Corp.),	12
•	18 December, 2001 (18.12.01),	
	Claims (Family: none)	
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)		
1. Claims	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: s Nos.: se they relate to subject matter not required to be searched by this Authority, namely:		
becaus	is Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:		
	is Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).		
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
This in Invention Invention Invention Invention As will substant	nal Searching Authority found multiple inventions in this international application, as follows: international application includes the following four inventions. In group 1: Claims 1-4, 9-11, 13, and 14 In group 2: Claims 5 and 6 In group 3: Claims 7 and 8 In group 4: Claim 12 If the pointed out in Box C, the invention group (1) is not novel (or trially is not novel). Consequently, there is no technical feature among the invention groups (1) to (4) which shows a contribution to or art.		
1. As all	required additional search fees were timely paid by the applicant, this international search report covers all searchable s.		
	searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of iditional fee.		
3. As onl	ly some of the required additional search fees were timely paid by the applicant, this international search report covers hose claims for which fees were paid, specifically claims Nos.:		
·			
	quired additional search fees were timely paid by the applicant. Consequently, this international search report is sted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Remark on Pro	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.		